

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-188293

(43)Date of publication of application : 24.07.1990

(51)Int.Cl.

B41M 5/30

B41M 5/26

(21)Application number : 01-009058

(71)Applicant : TOPPAN PRINTING CO LTD

(22)Date of filing : 18.01.1989

(72)Inventor : WATANABE JIRO
SHIMIZU TOYOKO
HINO YOSHIHIRO

(54) REVERSIBLE THERMOSENSITIVE RECORDING MEDIUM

(57)Abstract:

PURPOSE: To chemically develop or discharge a color only by controlling thermal energy by providing a color developer/subtractor which is the salts of bis(hydroxyphenyl) acetic acid or bis(hydroxyphenyl) butyric acid and higher aliphatic amine.

CONSTITUTION: A recording medium consists of a recording layer containing a leuco compound, a color developer/subtractor which develops or subtracts a color due to thermal reaction with the leuco compound and a binder as main components, provided on a support. The color developer/subtractor is the salts of bis(hydroxyphenyl) acetic acid or bis(hydroxyphenyl) acetic acid and higher aliphatic amine. More clearly, coating liquid for a recording layer is obtained by dissolving the binder in a coating liquid prepared by dispersing or dissolving dye in water or an organic solvent, and adding thickener or white pigment as liquid quality improver. This coating liquid is applied to a support such as paper, plastic film or sheet, and then is dried to form a recording layer.



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